

## Section 1-2: Linear Measure

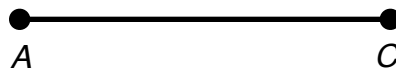
By the end of this lesson, you should be able to answer:

- How do you measure segments?
- How do you calculate with measures?

Define the following:

1. Line Segment
2. Betweenness of Points
3. Between
4. Congruent Segments
5. Construction

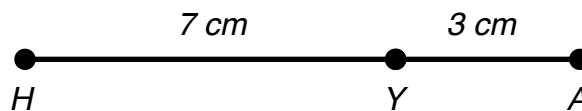
*Example 1:* Use a rule to measure the length of  $\overline{AC}$  in both metric and customary.



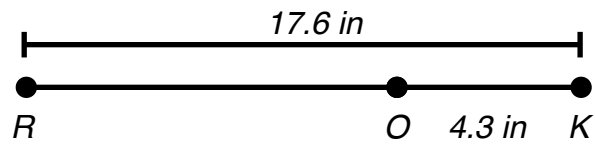
*Example 2:* Use a ruler to draw the following line segments.

- a.  $\overline{YO}$ , 2 inches long
- b.  $\overline{QI}$ , 12 cm long

*Example 3:* Find  $HA$ . Assume that the figure is not drawn to scale.

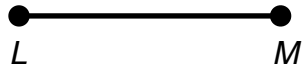


Example 4: Find  $RO$ . Assume that the figure is not drawn to scale.



Example 5: Find the value of  $x$  and  $HM$  if  $M$  is between  $H$  and  $R$ ,  $HM = 7x + 2$ ,  $MR = 3x$ , and  $HR = 32$  units. (Hint: Sketch it!)

Example 6: Construct a congruent segment so that  $\overline{JK} \cong \overline{LM}$ .



Problem Set:

"Keep steadily before you the fact that all true success depends at last upon yourself." - Theodore T. Hunger